

International Application No
PCT/EP 02/14366

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A01N25/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01 60877 A (CLARIANT GMBH) 23 August 2001 (2001-08-23) page 6, line 25 -page 8, line 20	1-3,6, 9-19, 21-23
X	WO 96 00251 A (DOW CHEMICAL CO) 4 January 1996 (1996-01-04) page 7, line 28 -page 10, line 23 page 13, line 29 -page 15, line 5 page 16 -page 27; examples I-XVIII -/--	1-3,6, 9-19, 21-23

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *&* document member of the same patent family

Date of the actual completion of the international search

16 April 2003

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25/04/2003

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INTERNATIONAL SEARCH REPORT

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>EP 1 069 142 A (CLARIANT GMBH) 17 January 2001 (2001-01-17)</p> <p>page 2, line 37 -page 5, line 22 page 6, line 55 - line 60 page 7, line 5-7 - line 50-55 page 8, line 41 - line 42</p>	<p>1-4, 6-14, 19-23</p>
Y	<p>WO 99 66004 A (LUBRIZOL CORP) 23 December 1999 (1999-12-23)</p> <p>page 3, line 23 -page 7, line 3 page 41, line 10 - line 15</p>	<p>1-4, 6-14, 19-23</p>
A	<p>KARLSSON L E ET AL: "PREPARATION AND SOLUTION PROPERTIES OF AMPHIPHILIC SULFONATED ACRYLAMIDE COPOLYMERS" MACROMOLECULAR CHEMISTRY AND PHYSICS, WILEY VCH, WEINHEIM, DE, vol. 203, no. 4, 15 March 2002 (2002-03-15), pages 686-694, XP001133186 ISSN: 1022-1352 the whole document.</p>	<p>1-23</p>

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0160877	A	23-08-2001	DE 10007044 A1	23-08-2001
			BR 0108410 A	11-03-2003
			CN 1406256 T	26-03-2003
			WO 0160877 A1	23-08-2001
			EP 1278787 A1	29-01-2003
			US 2001051145 A1	13-12-2001
WO 9600251	A	04-01-1996	AT 166079 T	15-05-1998
			AU 685827 B2	29-01-1998
			AU 7357194 A	19-01-1996
			BR 9408594 A	04-06-2002
			CN 1159199 A	10-09-1997
			DE 69410296 D1	18-06-1998
			DE 69410296 T2	03-12-1998
			EP 0766705 A1	09-04-1997
			JP 10502119 T	24-02-1998
			WO 9600251 A1	04-01-1996
			US 5693716 A	02-12-1997
			US 5753766 A	19-05-1998
EP 1069142	A	17-01-2001	DE 10029462 A1	03-01-2002
			BR 0002793 A	13-03-2001
			EP 1069142 A1	17-01-2001
			JP 2001081148 A	27-03-2001
WO 9966004	A	23-12-1999	AU 5312099 A	05-01-2000
			BR 9906524 A	25-07-2000
			CA 2301141 A1	23-12-1999
			EP 1007598 A1	14-06-2000
			JP 2002518545 T	25-06-2002
			WO 9966004 A1	23-12-1999
			US 6372842 B1	16-04-2002
			US 6344517 B1	05-02-2002